Bidirectional Domain Names

ABSTRACT OF THE DISCLOSURE

[0081]   A two-phase system and method for determining a display order of

characters in a multilingual domain name. First, inferencing resolves the direction of

5   indeterminate characters, such as the full stop or "dot", hyphen-minus, Arabic numeral,

and European numeral, during which each character is assigned a strong direction left

or right.   Second, reordering takes the fully resolved characters and generates a

display ordering for them. The inferencing phase is accomplished in several passes

including assigning Arabic and Hebrew letters right-to-left direction, and assigning

10   left-to-right direction to full stops and other alphabetic characters. Next, directions of

digits are resolved by assigning all Arabic numerals a right-to-left direction; and

assigning all European numerals left-to-right direction, unless the European numeral is

surrounded by right-to-left characters.   A final set of passes resolves the directions of

hyphen-minus characters by assigning all hyphen-minus characters left-to-right, unless

15   the hyphen-minus is surrounded by characters whose direction is right-to-left.